

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety Western Pacific Region

MAINTENANCE RECORDS EXCERPTS

NTSB Accident: WPR17FA013 Accident Date: October 25, 2016

This document contains 29 embedded images Images courtesy FAA & Textron Aviation

A. ACCIDENT

Location: Pittsburg, California Date: October 25, 2016

Aircraft: Beechcraft A-36 'Bonanza', N364RM, Serial # E-2957

NTSB IIC: Michael Huhn

B. SUMMARY

On October 25, 2016, about 1220 Pacific daylight time, a Textron Aviation (Beechcraft) A36 Bonanza, N364RM, was destroyed when it impacted powerlines and terrain in a steep descent shortly after departure from Buchanan Field Airport (CCR), Concord, California. The private pilot/owner and the certificated flight instructor (CFI) received fatal injuries. The personal flight was conducted under the provisions of Title 14 Code of Federal Regulations Part 91. Visual meteorological conditions prevailed.

The airplane struck two high tension powerlines and then the ground. The powerlines were oriented approximately perpendicular to the flight path, and were struck about 300 feet prior to the ground impact point. About 50 fracture-separated sections of the airplane, consisting primarily of empennage and right wing fragments, were scattered below the powerlines, and in the field between the powerlines and the impact site. A post impact fire consumed most of the airplane at the impact site.

The maintenance records were discovered to have been on the airplane for the accident flight. They were ejected clear of the airplane at impact, and were not consumed in the post-impact fire.

C. AIRWORTHINESS DIRECTIVES

The Airworthiness Directives (AD) compliance records for the year of, or the year prior to, the accident were not located. The table below lists the most current data located. The records did not appear to be complete, for undetermined reasons.

Element	Date	Figures	Records Status
Airframe	5/6/06	1 - 5	Complete
			-
Engine	5/6/06	6 - 7	Nearly complete
	5/7/07	9 - 10	Appears complete
Propeller	5/6/06	8	Complete
	5/7/07	10	Appears complete
Multiple	5/17/07	11	Possibly incomplete
•	7/20/11	12	Possibly incomplete

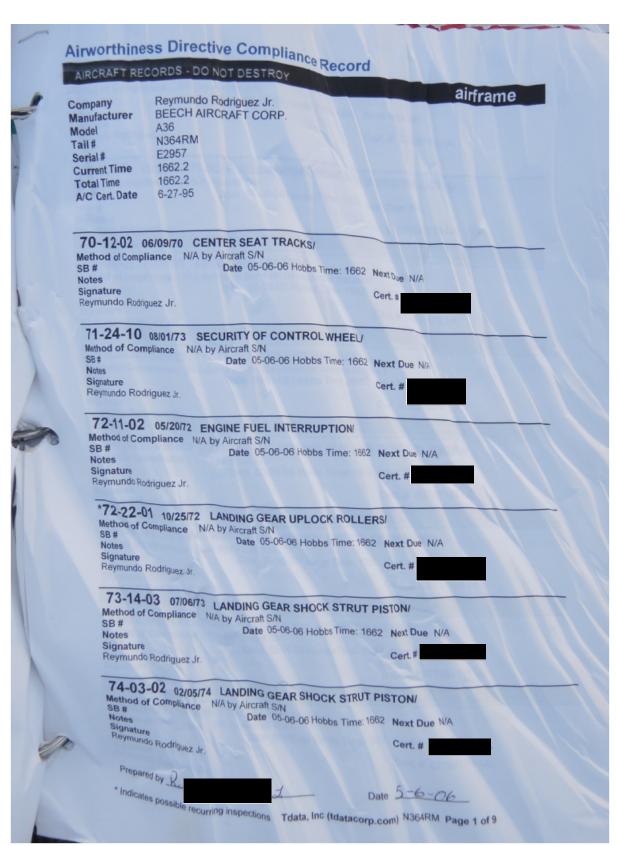


Figure 1 - AD Compliance May 2006

	ective Compliance Record
Method of Compliance N/A	
SB#	Date 05-06-06 Hobbs Time: 1662 Next Due N/A
Notes Signature	Next Due N/A
Reymundo Rodriguez Jr.	Cert.#
74-24-03 11/22/74 P	PLACARD/ELECTRICAL BONDING OF STROBE LIGHTS/
Method of Compliance N/A	by Aircraft S/N OF STROBE LIGHTS/
SB#	Date 05-06-06 Hobbs Time: 1662 Next Due N/A
Notes Signature	
Reymundo Rodriguez Jr.	Cort. #
River Britains	
*75-05-02 02/21/75	AIR OIL SEPARATOR/
Method of Compliance N/A	A due to no Beryl air oil separator installed
SB # Notes	Date 05-06-06 Hobbs Time: 1662 Next Due N/A
Signature	Cert.#
Reymundo Rodriguez Jr.	
76-22-02 06/02/77	"Y" TYPE SHOULDER HARNESS/
Method of Compliance N/	A dur to no Y-Type shoulder hamess installed Date 05-06-06 Hobbs Time: 1662 Next Due N/A
Notes	Next Due N/A
Signature Dedringer	Cert. #
Reymundo Rodriguez Jr.	The same of the sa
Method of Compliance	
SB # Notes Signature Reymundo Rodriguez Jr.	Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. #
SB # Notes Signature Reymundo Rodriguez Jr.	Cert. #
SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/88	Cert. #
SB # Notes Signature Reymundo Rodriguez Jr.	Cert. # WINDOW EMERGENCY EGRESS PROVISIONS/ N/A by Aircraft S/N
SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/84 Method of Compliance SB # Notes	Cert. #
SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/84 Method of Compliance SB # Notes Signature	WINDOW EMERGENCY EGRESS PROVISIONS/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A
SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/84 Method of Compliance SB # Notes	WINDOW EMERGENCY EGRESS PROVISIONS/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A
SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/84 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr.	Cert. # 4 WINDOW EMERGENCY EGRESS PROVISIONS/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. #
SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/84 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr.	WINDOW EMERGENCY EGRESS PROVISIONS/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. #
SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/84 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. 87-18-06 R1 0 Method of Compliance SB #	WINDOW EMERGENCY EGRESS PROVISIONS/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. #
SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/84 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. 87-18-06 R1 0 Method of Compliance SB # Notes	WINDOW EMERGENCY EGRESS PROVISIONS/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # 2/05/88 SEAT RECLINE ACTUATOR HANDLE/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A
SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/84 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. 87-18-06 R1 0 Method of Compliance SB #	WINDOW EMERGENCY EGRESS PROVISIONS/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # 2/05/88 SEAT RECLINE ACTUATOR HANDLE/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A
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SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/84 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. 87-18-06 R1 0 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. 88-20-01 10/19 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr.	Cert. # 4 WINDOW EMERGENCY EGRESS PROVISIONS/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # 12/05/88 SEAT RECLINE ACTUATOR HANDLE/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. #
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SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/84 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. 87-18-06 R1 0 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. 88-20-01 10/19 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr.	A WINDOW EMERGENCY EGRESS PROVISIONS/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # 12/05/88 SEAT RECLINE ACTUATOR HANDLE/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # 18/088 FIREWALL MATERIAL/ Lee N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A
SB # Notes Signature Reymundo Rodriguez Jr. 84-09-01 05/25/84 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. 87-18-06 R1 0 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. 88-20-01 10/19 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr.	WINDOW EMERGENCY EGRESS PROVISIONS/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # 2/2/05/88 SEAT RECLINE ACTUATOR HANDLE/ N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # 2/88 FIREWALL MATERIAL/ De N/A by Aircraft S/N Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # Cert. #

Figure 2 - AD Compliance May 2006

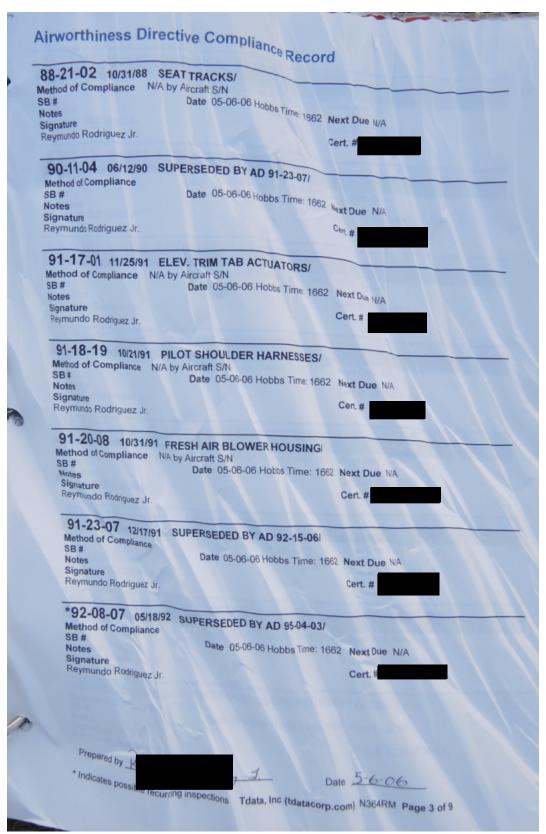


Figure 3 - AD Compliance May 2006

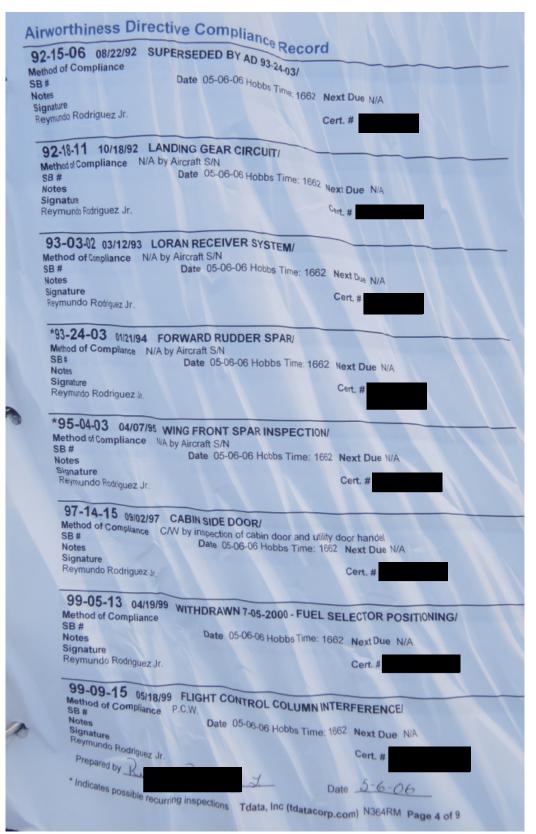


Figure 4 - AD Compliance May 2006

20.20.44	ective Compliance Record
00-20-14 11/28/00 lethod of Compliance P.0	FIREWALL SEALANT/
B#	Date 05-06-06 Hobbs Time: 1662 Next Due N/A
lotes	Hobbs Time: 1882 Newt Day
Signature Reymundo Rodriguez Jr.	Next Due N/A
	Cert. #
00-24-04 01/05/01	MISROUTED RUDDER CONTROL CABLE/
Method of Compliance P.C	C.W.
3D #	Date 05-06-06 Hobbs Time: 1662 Next Due N/A
Notes Signature	Next Due N/A
Reymundo Rodriguez Jr.	Cen. #
00-26-16 02/16/01 9	SUPERSEDED BY AD 2003-01-01/
Method of Compliance SB#	
Notes	Date 05-06-06 Hobbs Time: 1662 Next Due N/A
Signature	Cert.#
Reymundo Rodriguez Jr.	Otil #
Reymundo Rodriguez Jr.	Cen.#
01-11-03 07/20/01 Method of Compliance CSB # Notes	AVIONICS COOLING BLOWER CIRCUIT/ The symmetry of the symmetry
01-11-03 07/20/01 Method of Compliance C SB # Notes Signature	AVIONICS COOLING BLOWER CIRCUIT/
O1-11-03 07/20/01 Method of Compliance of SB # Notes Signature Reymundo Rodriguez Jr.	AVIONICS COOLING BLOWER CIRCUIT/ EW by inspection in accordance with A/D Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. #
O1-11-03 07/20/01 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr.	AVIONICS COOLING BLOWER CIRCUIT/ EW by inspection in accordance with A/D Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. #
O1-11-03 07/20/01 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. O1-23-10 12/13/01 Method of Compliance SB #	AVIONICS COOLING BLOWER CIRCUIT/ CW by inspection in accordance with A/D Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # FLAP FLEX SHAFT ASSEMBLIES AND ACTUATORS/ C/W by inspection in accordance with A/D
O1-11-03 07/20/01 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. O1-23-10 12/13/01 Method of Compliance SB # Notes	AVIONICS COOLING BLOWER CIRCUIT/ EW by inspection in accordance with A/D Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. #
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O1-11-03 07/20/01 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. O1-23-10 12/13/01 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. 03-01-01 02/27/0 Method of Compliance	AVIONICS COOLING BLOWER CIRCUIT/ CW by inspection in accordance with A/D Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # FLAP FLEX SHAFT ASSEMBLIES AND ACTUATORS/ C/W by inspection in accordance with A/D Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. #
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O1-11-03 07/20/01 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. O1-23-10 12/13/01 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. 03-01-01 02/27/0 Method of Compliance SB # Notes	AVIONICS COOLING BLOWER CIRCUIT/ TWO by inspection in accordance with A/D Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # FLAP FLEX SHAFT ASSEMBLIES AND ACTUATORS/ C/W by inspection in accordance with A/D Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # 3 RIGHT HAND FUSELAGE PANEL RIVETS/ C/W by inspection in accordance with A/D found all rivets installed Date 05-06-06 Hobbs Time: 1662 Next Due N/A
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O1-11-03 07/20/01 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. O1-23-10 12/13/01 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. O3-01-01 02/27/0 Method of Compliance SB # Notes Signature Reymundo Rodriguez Jr. Prepared by Indicates Possible	AVIONICS COOLING BLOWER CIRCUIT/ The Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # FLAP FLEX SHAFT ASSEMBLIES AND ACTUATORS/ C/W by inspection in accordance with A/D Date 05-06-06 Hobbs Time: 1662 Next Due N/A Cert. # 3 RIGHT HAND FUSELAGE PANEL RIVETS/ C/W by inspection in accordance with A/D found all rivets installed Date 05-06-06 Hobbs Time: 1662 Next Due N/A

Figure 5 - AD Compliance May 2006

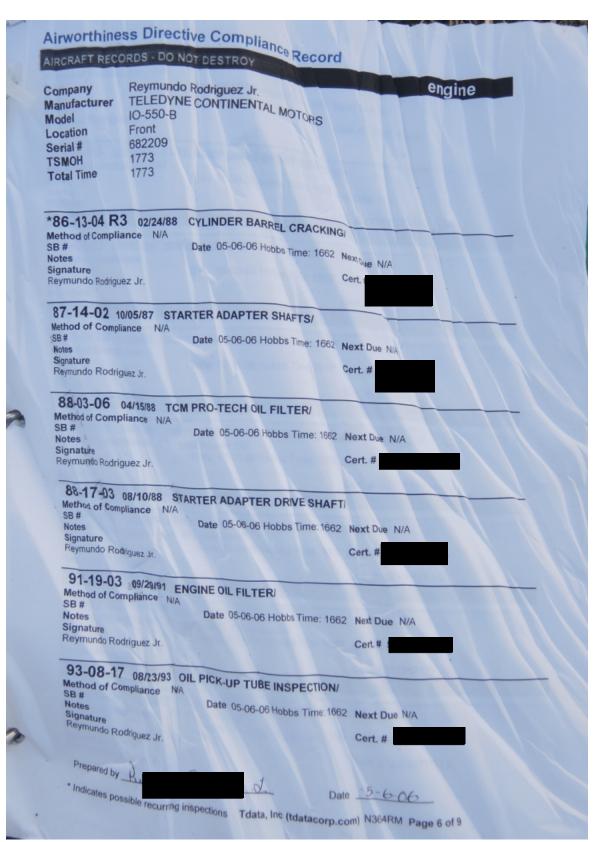


Figure 6 - AD Compliance May 2006

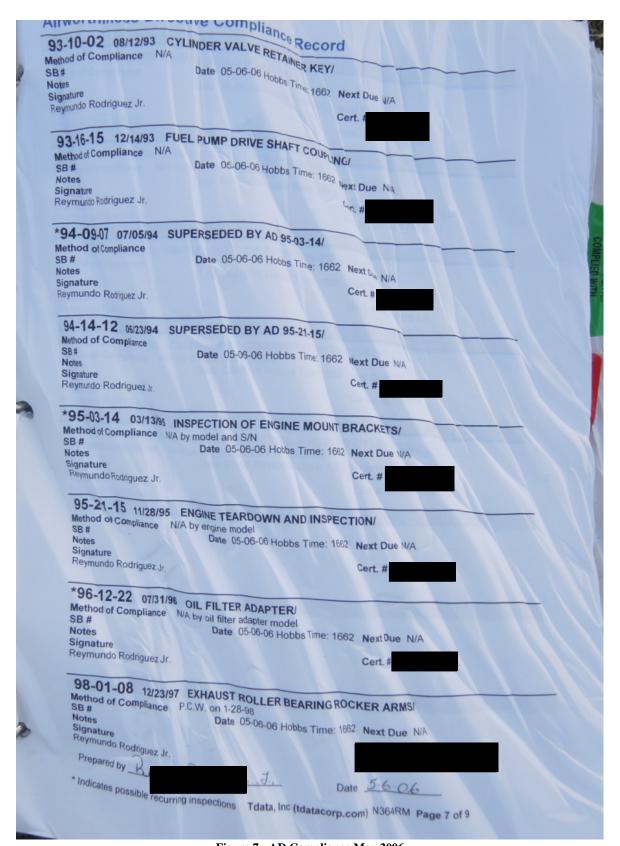


Figure 7 - AD Compliance May 2006

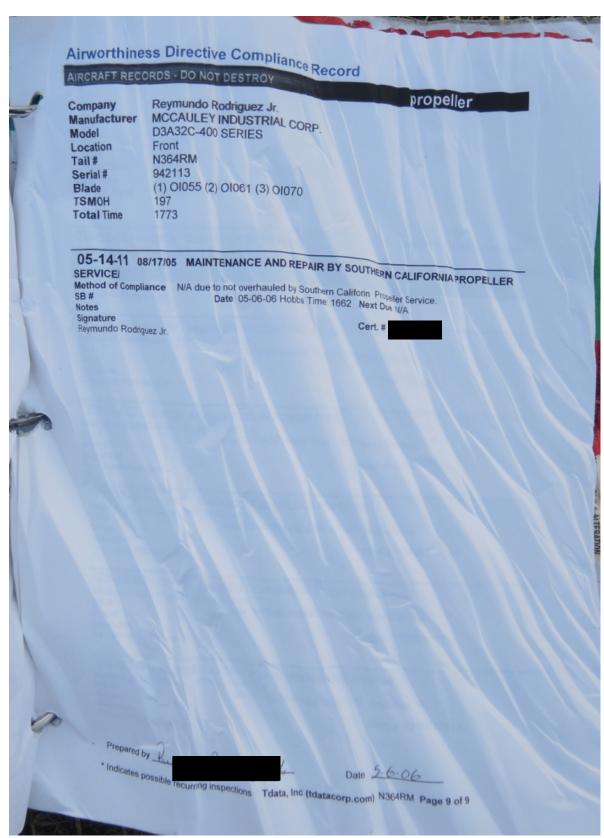


Figure 8 - AD Compliance May 2006

dog	4	Airworthiness Directives	ID No: 25515
Mode	1: 6	136, S/N: E-2957, Tail No: N364RM	ge No: 1
AD NUMBER T	YPE.	Tail No: N364RM	Date: 05/07/07
		ENGINE (E) :	Supersedes AD Number N/A
		10-350-B	
		PROPELLER(s): D3A32C409	
		35H32C407	
		MAGNETO(s): Rend:	
		MAGNETO(s): Bendix '8' Series	
75-05-02	R	AIR OIL FILTRATOR	
76-02-07	R	PRESTOLITE ALTERNATOR	
76-07-12R1	NR	BENDIX IGNITION SWITCH	
76-07-12R1 78-05-06R2	R	FUEL CELL LEAKAGE	
82-13-01	R	BENDIX MAGNETO	
82-13-01	R	INDUCTION AIR FILTERS	
86-13-04R3	NR	CONTINENTAL ENGINE	
96-12-22	R	OIL FILTER ADAPTERS	
96-12-22	NM	DOOR HANDLE LOCKING	
97-16-10	N	RAPCO PRESSURE FILTER(S)	
98-01-08	N	CONTINENTAL ENGINE	
98-14-03	N		
98-21-21R1	N	ALLIEDSIGNAL KT-76A TRANSPONDER	
98-23-01	N	MICH THBLE DOUR SEALS	
99-05-13	N	AD WITHDRAWAL	
99-19-01	N	CONTINENTAL ENGINE	
2000-23-21	114		99-09-17
2000-23-21	-	M TELEDYNE CONTINENTAL ENGINE CABLE ROUTING ROUTING	2000-08-51
2001-10-09		HONEYWELL KC 225 AFCS	
2001-11-03		NM BLOWER MOTOR CIRCUT BREAKER	
2001-23-10		NM FLAP FLEX SHAFTS	
2003-01-01		NM MISSING RIVETS	
2003-13-17		NM T AND W PROPELLER INC.	2000-26-16
2004-08-10	0	NM ECI CYLINDERS	
: 14-1	1	NM SOUTHERN CALLEGRADE STORE	
2005-18-20 2006-03-00	0	NM SOUTHERN CALIFORNIA PROPELLER SERVICE NR GOODRICH "FASTPROP" DE-ICERS	Ξ Ξ
2006-16-1	8	NM AERO ADVANTAGE VAC. PUMP	
2006-24-0		NM SANDEL ST3400 TAWS/RMI	
2007-0A		MI DAFTIRD OLIVERTACE	
		N SUPERIOR CYLINDERS this designation appears in the upper right corner of each adNote page): Non-Repetitive, NM—Non-Repetitive, but has more than one compliance requirement.	
NH-Can be either Re-	R-Rep	this designation appears in the upper right corner of each ad-Note page's: NM—Non-Repetitive, but has more than one compliance requirement. Non-Repetitive, depending on the method of compliance.	N

Figure 9 - AD Compliance May 2007

			X D L S KA
adlog #	RAFT NTENANCE ORDKEEPING TEM	Airworthiness Directives	ID No: 25515
AD NUMBER	TYPE*	A36, S/N: E-2957, Tail No: N364RM SUBJECT ENGINE(s): IO.	Page No: 2 Date: 05/07/07 Supersedes AD Number N/A*
		10-550-B	Supersedes AD Number
		PROPELLER(s): D3A32C409 MAGNETO(s): Rending	
2007-08-04	R	MAGNETO(s): Bendix '8' Series MCCAULEY PROPELLER	
		THOTELER	
1) 765-9359			
PAX NO: (631)			
A X X			

Figure 10 - AD Compliance May 2007

AD#	Applicable S.B. # & Subject	Date & Hours @	ES COMPLIANCE RECORD	1			05/17/2007
		Comp.	Method of Compliance	One 7	Recurring	Next	Authorized
95-03-02	Brackett air filter gasket	5/12/2007	N/A by Model	Time	Hr	mp. @ s/Date	Signature & Number
95-04-03	Spar failure	5/12/2007	N/A by S/N	X			
96-09-06	Prevent gasket particles from entering the carburetor	5/12/2007	N/A by Model	X			1
2002-26-03	Detect and correct incorrect installation of the air filter	5/12/2007	N/A - not installed	Х			3
2003-13-17	Detect unsafe conditions that could result in separation of a propeller blade	5/12/2007	N/A By Records check	X			
2005-14-11	Prevent blade failure that could result in separation of a propeller blade	5/12/2007	N/A By Records check	X		1	1
2006-24-07	To detect unsafe conditions that	5/12/2007	N/A By Records check	X		-	My .
2007-08-04	of control of the airplane			×			1 1/1
	that could result in separation of a propeller	5/12/2007	Install placard, Propeller due retirementa. 10,000 hrs Total time		X 10,0	001.00	

Figure 11 - AD Compliance May 2007

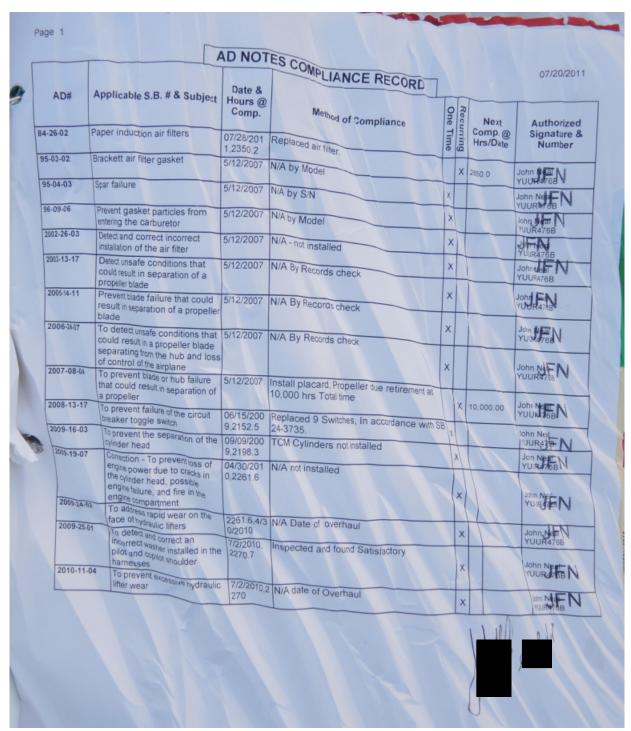


Figure 12 - AD Compliance July 2011

D. SELECTED AIRFRAME MAINTENANCE RECORDS

2011 annual

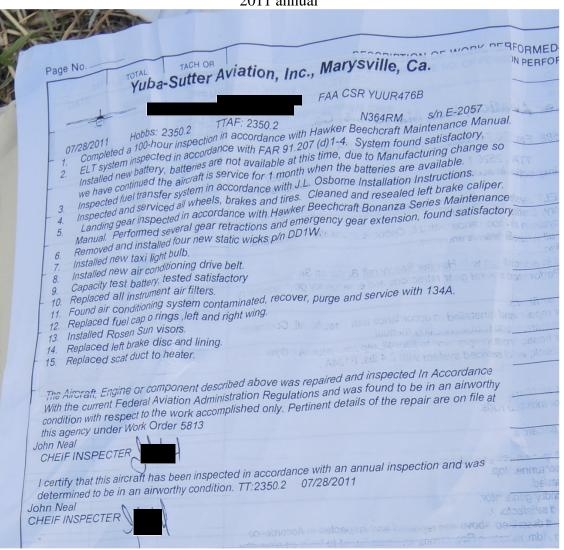


Figure 13 - Annual 2011

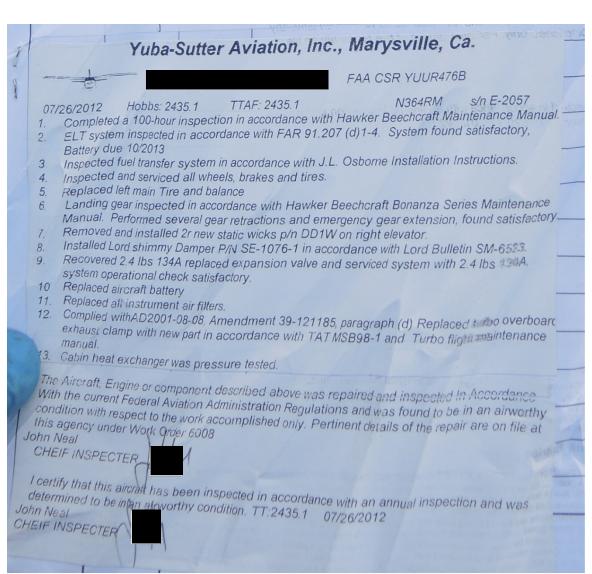
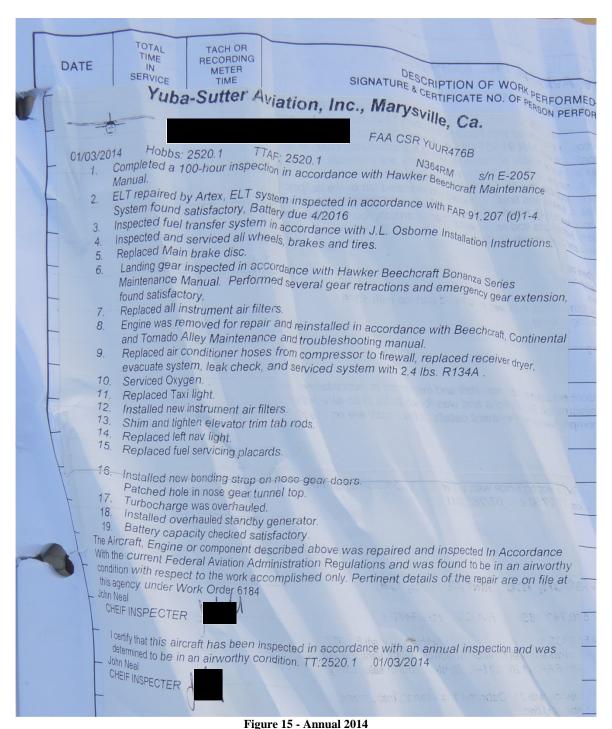


Figure 14 - Annual 2012



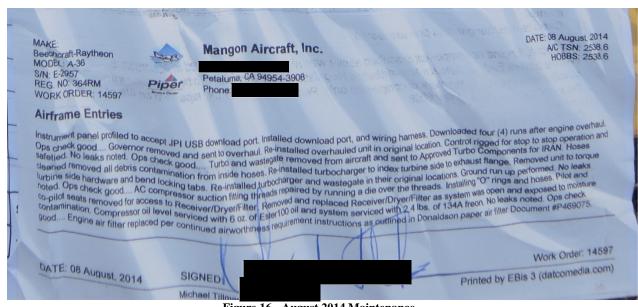


Figure 16 - August 2014 Maintenance

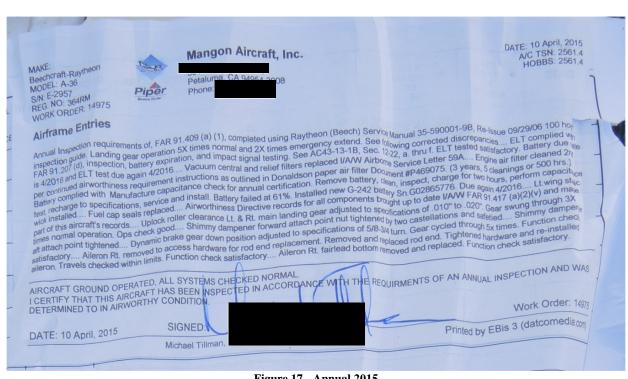


Figure 17 - Annual 2015

MAKE:
Beechcraft-Raytheon
MODEL: A-36
S/N: E-2957
REG. NO: 364RM
WORK ORDER: 15394

Mangon Aircraft, Inc.
Petaluma. CA 94954-3908
Phone:

DATE: 18 May, 2016 A/C TSN: 2625.8 HOBBS: 2625.8

Airframe Entries

Annual Inspection requirements of, FAR 91.409 (a) (1), completed using Beechcraft Service Manual 35-590001-B, Reissue, April, 1970, Rev. 35-590001-B15, Dtd. Aug. 28, 1987, 100 hour inspection guide. See following corrected discrepancies.... ELT complied with FAR 91.207 (d), inspection, battery expiration, and impact signal testing. See AC43-13-18, Sec. 12-22, a. thru f. ELT tested satisfactory. Expired battery replaced. Battery due date is 5/2018 and ELT test due again 5/2017..... Engine air filter Document #P469075. (3 years, 5 cleanings or 500 hrs.)... Battery complied with Manufacture capacitance check for annual certification. Removed battery, cleaned, inspected, charged for two hours, performed capacitance test, recharged to specifications, serviced and installed. Battery passed at 93.1%. Due again 5/2017..... Vacuum central and pressure filters replaced I/A/W Airborne Service Letter 59A.... Replaced deteriorating Beechcraft placards on Rt. and Lt. vertical stabilizer with new placards.... Aft cabin door light switched accessed by removal of interior trim. Switch cleaned and lubricated. Cowling Rt. opened for access to fuses. Courtesy light 5A fuse checked satisfactory. No defects noted Ops checked good... Landing gear Rt. main wheel assembly removed from aircraft. Disassembled wheel assembly, cleaned and inspected wheel halves, inner tube, bearings and races. Repacked bearings with Aeroshell 22. Replaced inner tube, itire with new and reassembled wheel assembly. Torqued through bolts to 150 in. 1bs. Reinstalled assembly onto axle, tightened and safetied. Serviced tire to 40 psi.... Oil line wastegate inlet repositioned to prevent chafing on brake reservoir line.... Exhaust manifold "Y" for turbo accessed by removal of battery box, induction tube crossover, and cabin heat exchanger. Exhaust manifold "Y" for turbo, wastegate, and exhaust tailippe reinstalled in original location. TIT probe installed. Exhaust cabin heat exchanger pressure tested and reinstalled in original location. No defects noted. Inducti

AIRCRAFT GROUND OPERATED, ALL SYSTEMS CHECKED NORMAL INSPECTION AND WAS I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTION IN ACCORDANCE WITH THE REQUIRMENTS OF A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

DATE: 18 May, 2016

SIGNED:

Work Order: 15394

Michael Tillman, A&P:

Printed by EBIS 3 (datcomedia.com)

Figure 18 - Most Recent Annual

STE	RLI	NG		
	NI	CS		
FA	A CRS WQ3F	R954L		
WEIGHT	ANID		CE	
AND EQUIPMENT Customer Name: Jim Dwulet	LIST SU	PPLEME	NT SHE	ET
Aircraft Type: Beech Model: A36 Serial #: E-2957		Re		3-Aug-12 N364RM
Market and the second				
Note: This weight and balance recalculation is obtained from the previous weight and baland noted, all units of measure are in pounds and	s accurate onl te figures provinches	ly to the extent ided by the aird	of the accura	cy of the data Unless otherwise
Original Data Dated: 9-Sen-09	s accurate onle e figures provinches.	y to the extent	oran owner.	. Unless otherwise
are in pounds and	inches.		of the accuratoraft owner. ARM 77.71	cy of the data Unless otherwise MOMENT 211141.94
Original Data Dated: 9-Sep-09 ITEMS REMOVED: NONE	s accurate onle figures provinches.	WEIGHT	ARM	MOMENT
Original Data Dated: 9-Sep-09 ITEMS REMOVED: NONE	inches.	WEIGHT	ARM	MOMENT
Original Data Dated: 9-Sep-09 ITEMS REMOVED: NONE ITEMS INSTALLED:	S/N	WEIGHT	ARM	MOMENT
Original Data Dated: 9-Sep-09 ITEMS REMOVED: NONE	inches.	WEIGHT	ARM	MOMENT 211141.94
Original Data Dated: 9-Sep-09 ITEMS REMOVED: NONE WOVE ITEMS INSTALLED: ACK A30.5 blind encoder	S/N	WEIGHT 2717,00	ARM 77.71	MOMENT
Original Data Dated: 9-Sep-09 ITEMS REMOVED: NONE ITEMS INSTALLED: ACK A30.5 blind encoder CHANGE IN DATA: AIRCRAFT N.:W EMPTY WEIGHT	S/N	WEIGHT 2717,00 0.40 0.40	ARM 77.71	MOMENT 211141.94
Original Data Dated: 9-Sep-09 ITEMS REMOVED: NONE ITEMS INSTALLED: ACK A30.5 blind encoder CHANGE IN DATA: AIRCRAFT N:W EMPTY WEIGHT AIRCRAFT NEW CENTER OF GRAVITY	S/N	0.40 0.40 2717.40	ARM 77.71	MOMENT 2111A1.94 20.80
Original Data Dated: 9-Sep-09 TEMS REMOVED: NONE OF SEP-09 TEMS INSTALLED: OF SEP-09 ACK A30.5 blind encoder CHANGE IN DATA AIRCRAFT NEW MEMBERS AIRCRAFT NEW MEMBERS	S/N	0.40 0.40 0.77.71	ARM 77.71	MOMENT 2111A1.94 20.80
Original Data Dated: 9-Sep-09 ITEMS REMOVED: NONE ITEMS INSTALLED: ACK A30.5 blind encoder CHANGE IN DATA: AIRCRAFT N.W EMPTY WEIGHT AIRCRAFT NEW CENTER OF GRAVITY AIRCRAFT NEW MOMENT AIRCRAFT NEW USFELLI LOAD	S/N	0.40 0.40 0.40 2717.40 77.71 211162.74 1282.80	ARM 77.71	MOMENT 2111A1.94 20.80
Original Data Dated: 9-Sep-09 TEMS REMOVED: NONE OF SEP-09 TEMS INSTALLED: OF SEP-09 ACK A30.5 blind encoder CHANGE IN DATA AIRCRAFT NEW MEMBERS AIRCRAFT NEW MEMBERS	S/N	0.40 0.40 0.77.71 2717.40 0.40	ARM 77.71	MOMENT 2111A1.94 20.80
Original Data Dated: 9-Sep-09 ITEMS REMOVED: NONE ITEMS INSTALLED: ACK A30.5 blind encoder CHANGE IN DATA: AIRCRAFT N.W EMPTY WEIGHT AIRCRAFT NEW CENTER OF GRAVITY AIRCRAFT NEW MOMENT AIRCRAFT NEW USFELLI LOAD	S/N	0.40 0.40 0.40 2717.40 77.71 211162.74 1282.80	ARM 77.71	MOMENT 2111A1.94 20.80
Original Data Dated: 9-Sep-09 ITEMS REMOVED: NONE ITEMS INSTALLED: ACK A30.5 blind encoder CHANGE IN DATA: AIRCRAFT N.W EMPTY WEIGHT AIRCRAFT NEW CENTER OF GRAVITY AIRCRAFT NEW MOMENT AIRCRAFT NEW USFELLI LOAD	127334	0.40 0.40 0.40 2717.40 77.71 211162.74 1282.60 4000.00	ARM 77.71	MOMENT 2111A1.94 20.80
Original Data Dated: 9-Sep-09 ITEMS REMOVED: NONE ITEMS INSTALLED: ACK A30.5 blind encoder CHANGE IN DATA: AIRCRAFT N.W EMPTY WEIGHT AIRCRAFT NEW CENTER OF GRAVITY AIRCRAFT NEW MOMENT AIRCRAFT NEW USFELLI LOAD	127334	0.40 0.40 0.40 2717.40 77.71 211162.74 1282.60 4000.00	ARM 77.71	MOMENT 2111A1.94 20.80

Figure 19 - Most Recent Weight and Balance

E. SELECTED ENGINE MAINTENANCE RECORDS

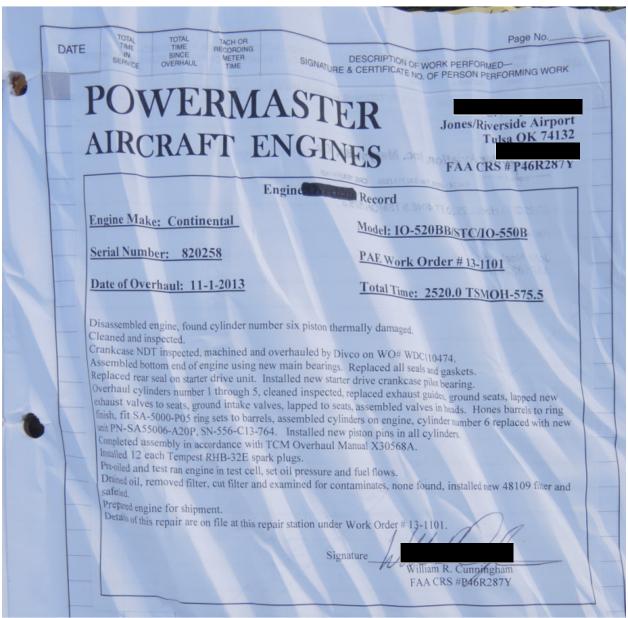


Figure 20 - 2013 Engine Overhaul

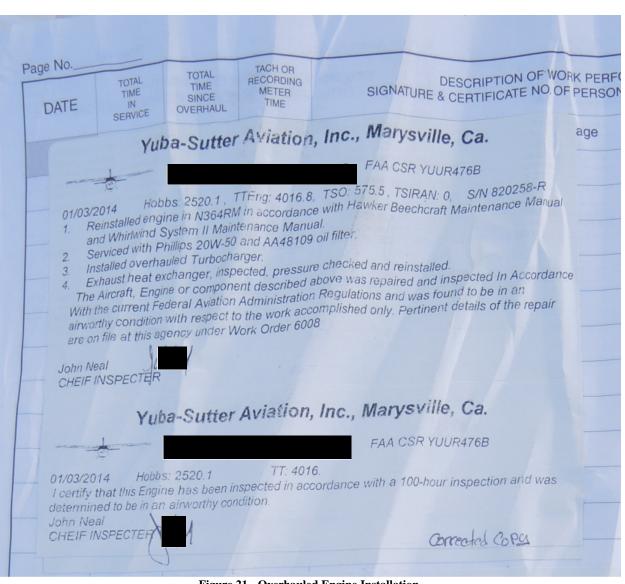


Figure 21 - Overhauled Engine Installation

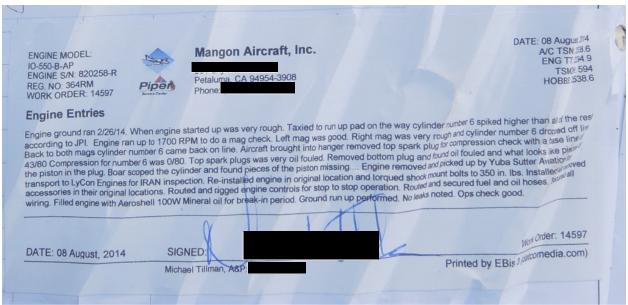


Figure 22 - August 2014 Engine Maintenance

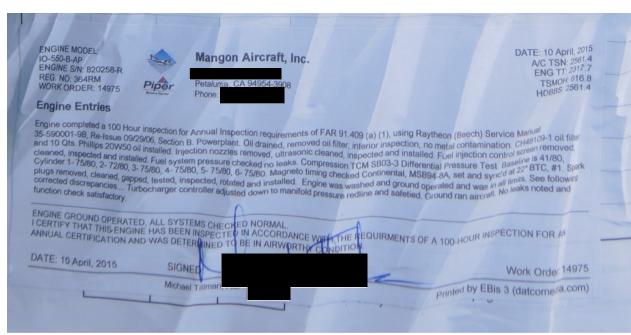


Figure 23 - April 2015 100 Hr/Annual



Figure 24 - May 2016 100 Hr/Annual

F. SELECTED PROPELLER MAINTENANCE RECORDS



Figure 25 - August 2014 Maintenance

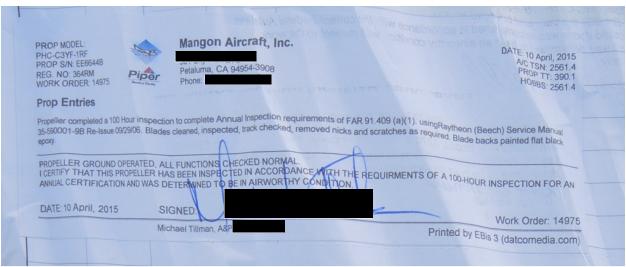


Figure 26 - April 2015 100 Hr/Annual



Figure 27 - Most Recent 100 Hr/Annual

G. MOST RECENT AVIONICS UPGRADE RECORDS

-					_	_		_		Form App	proved Electronic Tracking Number	
U.S. Departs	ment	MA	JOI	R REPAIR AND	AL	TE	RATION			OMB No.	07	
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Administrat	íon			2000 1826 2 2 1625 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2								
instruction		sition of this	form.	es. See Tilte 14 CFR §43 This report is required b							nt revision thereof) for It in a civil penalty for each	
	Nationality USA	and Registra N364		ark			Serial No. E-2957					
1. Aircraft	Make	NOON	• Pur		-	-	Model	-		Series		
	BEECH						A36					
	A 17275 1107 C 255 C 1	shown on re		on certificate)			Address (As show	n on r	registratio	n certificate	1)	
2, Owner						PORTLAND, OR					-	
					2	Ecc	97219 FAA Use Only					
				martin barrensia	3. (Or	rad use only					
				74 ₁₁								
4. T	ype				5. U	nit I	dentification					
Repair	Alteration	Unit		Make	Model (As described in Item 1			del	Serial No.			
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		POWERPLANT										
		PROPELI	LER									
		APPLIAN	CE	Type Mánufacturer								
					6. C	onfo	ormity Statement	-				
A. Agency	's Name and	Address			-	-	d of Agency					
Airtron	ics					-	S. Certified Mechanic			-	ufacturer	
Martell, CA					x	C	ertified Repair Station				3R867L	
D. I certif	een made i	accordance	ce with	ion made to the unit(s) ion the requirements of Part to the best of my knowled	t 43 ige.	fied of th	ne U. S. Federal Aviati	escrit	bed on the	he reverse		
Extended ra per 14 CFR App. B		J	Signa	ature/Date of Authorized	Indiv	vidua (al K	1			JAMES D LEWIS 20-October-2016	
	*****		-				Return to service					
				ns specified below, the Administration and is	uni		entified in Item 5 wa		spected Rejecte		nanner prescribed by the	
	AA Fit. Standa	ırds	Manu	ufacturer M	lainte	nanc	ce Organization		Persons Departm	Approved nent of Tran	by Canadian nsport	
BY F	AA Designee	х	Repa	oir Station In	spec	tion /	Authorization	Othe	er (Specify	0		
Certificate Designation			Signa	ature/Date of Authorized	Indiv	/idus	8 5	~	M	Z	JAMES D LEWIS 20-October-2016	

Figure 28 - FAA Form

Description of Work Accomplished If more space is required, attach additional sheets, Identify with aircraft nat.	ionality and registrati	on mark and date wo	rk completed.)
	US	A N364RM	Oct-20-2016
	Nationality	and Registration Ma	rk Date
REMOVED: GNS430 #1 NAV/COM/GPS, GNS530 GPS/NAV/COM.			
NSTALLED: i) A GARMIN GTN750, COM/NAV/WAAS (AS NAV/COM#1) AT STA# 53, (APPROVED (IM) INSTALLATION MANUAL, DOCUMENT #190-01007-A3 F NSTALLATIONS 2 AND 3 LISTED HEREIN, EXISTING KCS55 SYSTEM, (APPROVED INSTALLATION MANUAL(S). THE GTN UTILIZES THE EXIST	REV5 APRIL 2013 . GDL69A XM WX REG	THE GTN750 IS INT	EGRATED WITH
2) GARMIN GTN650 AS #2 COM/NAV/GPS (CROSS SIDE NAVIGATOR) I EXISTING GI106A CDI, GDL69A XM WX RECEIVER, AND INSTALLATION GA35 WAAS ANTENNA IAW IM.			
THE GTN UNITS 1 AND 2 ARE MOUNTED IN THE AVIONICS PANEL USI AND IS LOCATED IN THE PILOTS PANEL IN THE FIELD OF VIEW REQU MANUAL.			
THE FAA AFMS DOC # 190-01007-A2 REV3 AND ICA DOC #190-01007-A PILOT'S GUIDE (190-01004-03) Rev. B, Mar, 2011 , PILOT'S QUICK REFI PROVIDED, AND ARE REQUIRED WITH THIS NSTALLATION.	[1882] [18] [18] [18] [18] [18] [18] [18] [18	그리 하지 않아 하지 않아 있었다. 그리 없는데 그리 없다.	일하는 하는 것들이 되었다고 살아보다 하는데 하는데 하는데 없다.
B) GARMIN GTX345R (REMOTE) TRANSPONDER / ADSB TRANSCEIVER NTERFACED WITH NEW ACK30 ENCODER, EXISTING AUDIO PANEL, A MANUFACTURER'S ACCEPTED INSTALLATION MANUAL IM.	에게 된 것이 되었다. 이 사람들이 함께 없어 되었다.	를 하는데 살아내지 않는 것 같은 사람들이 되었다. 얼마나 없었다.	그렇게 있어 뭐 10일이 어려웠다. 나라는 글 경기 얼마 가는 사람이 아래 달아야?
THE GTX345R IS MOUNTED ON THE AFT FACTORY AVIONICS SHELF A BAND TRANSPONDER ANTENNA. THE ANTENNA WAS FOUND TO MEE			THE EXISTING WIDE
THE SYSTEM WAS GROUND TESTED TESTED IAW REQUIREMENTS O REQUIREMENTS OF APPLICABLE PORTIONS OF PART 43 AND 14 CFR		7, AND FOUND TO	MEET THE
THE FAA AFMS DOC # 190-00734-15, REV2 MARCH 2016, ICA DOC #190-01499-00 REV A MARCH 2016 , HAVE BEEN PROVIDED, AND ARE F			OTS GUIDE DOC#
THE ABOVE INSTALLATION(S) HAVE BEEN GROUND AND FLIGHT TES' NSTALLATION MANUALS, AND NO INTERFERENCE EXISTS WITH ANY	나는 경영하다고 있어요 안 없다고 보고 있는데 살을 했다.	경기 되지않아 있게 모든 경기에 있는 경기 때문 되었	
AN ELECTRICAL LOAD ANALYSIS IAW AC43.13-1B chp 11, SEC 3 HAS B	EEN PERFORMED	FOR THE DESCRIB	ED INSTALLATIONS.
DURING REQUIRED INSPECTIONS, INSPECT THESE INSTALLATIONS IN ()(1) THROUGH (4).	AW 14 CFR PART 4	3, APPENDIX D, PAR	RA (b)(2),(c)(1),(7) AND
REVISED AIRCRAFT AIRCRAFT WEIGHT AND BALANCE REPORT HA	S BEEN PROVIDED	D)	
NOTHING FOLLOWS			
	section All a second	100	

NOTICE

ADDITIONAL SHEETS ARE ATTACHED
Figure 29 - FAA Form 337 Back